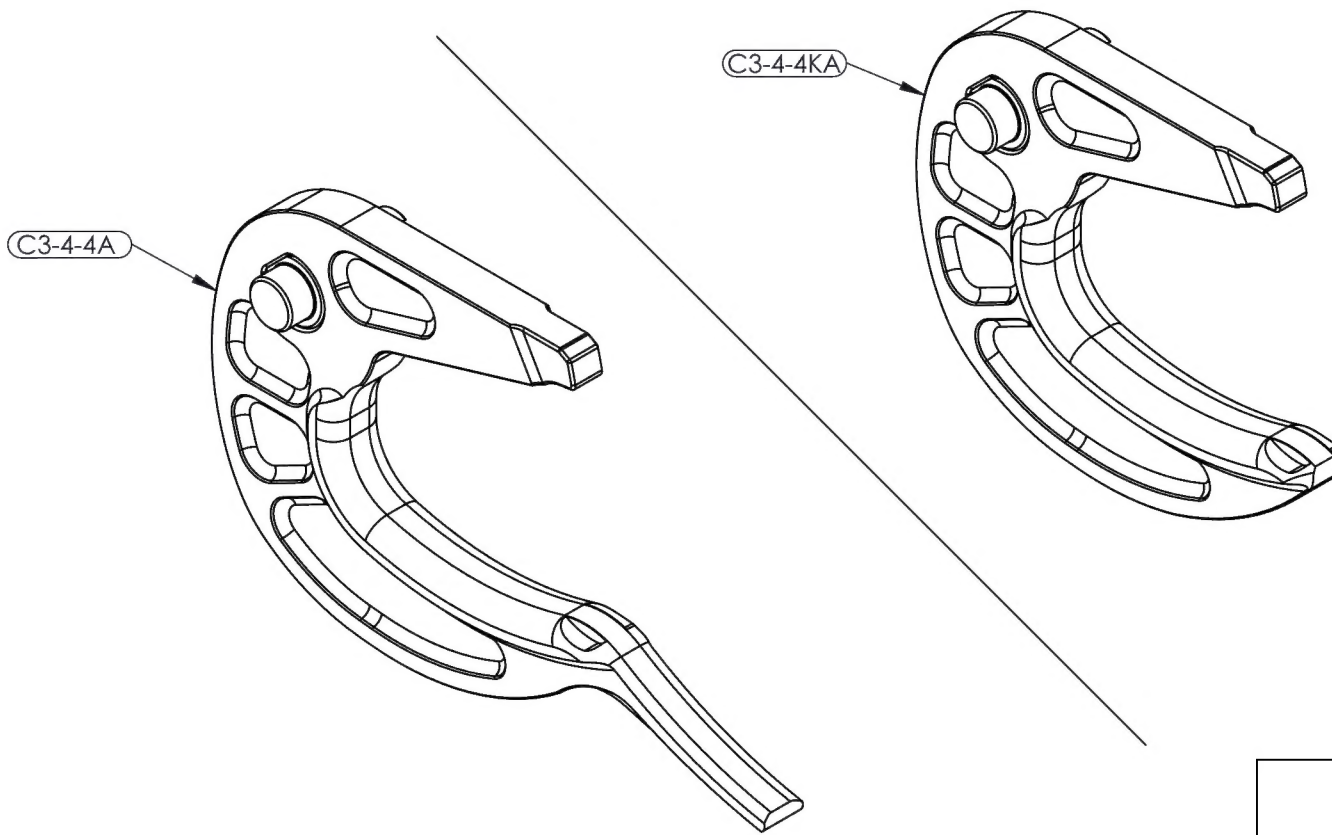


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
6		AS DRAWN BY APICAL	10/31/2011		
7		ADDED BAKE NOTE	12/9/2013	JAG	
8	14-0106	CH'D TITLE BLOCK WAS RED BARN IS DART. CH'D TOLERANCE NON-CRITICAL DIMENSIONS. C3-4-2 ADDED BAG & LABEL NOTE. C3-4-4 ADDED MACHINE ENGRAVE NOTE.	8/6/2014	DJN	RW
9	15-0126	C3-4-4KA, C3-4-4K ADDED TO DRAWING FOR KEEPERLESS OPTION. CH'D DWG NO. WAS C3-4-4A IS C3-4-4A / C3-4-4KA.	6/2/2015	RJC	JAG
10	15-0198	UPDATED TO NEW DRAFTING STANDARDS. C3-4-2 CORRECTED GD&T. C3-4-4 CH'D DIMS WAS 8.16 IS 8.159 ±.030, WAS 5.13 IS 5.133 ±.030. DELETED DIM R.25. C3-4-4K CH'D DIMS WAS 5.833 IS 5.833 ±.030, WAS 5.133 IS 5.133 ±.030. DELETED DIM R.25.	8/27/2015	DPD	JAG

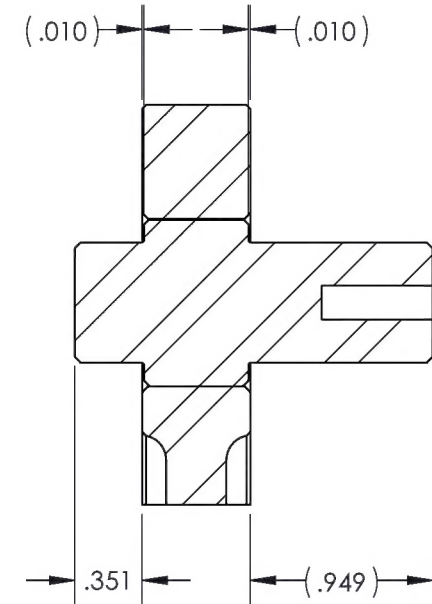
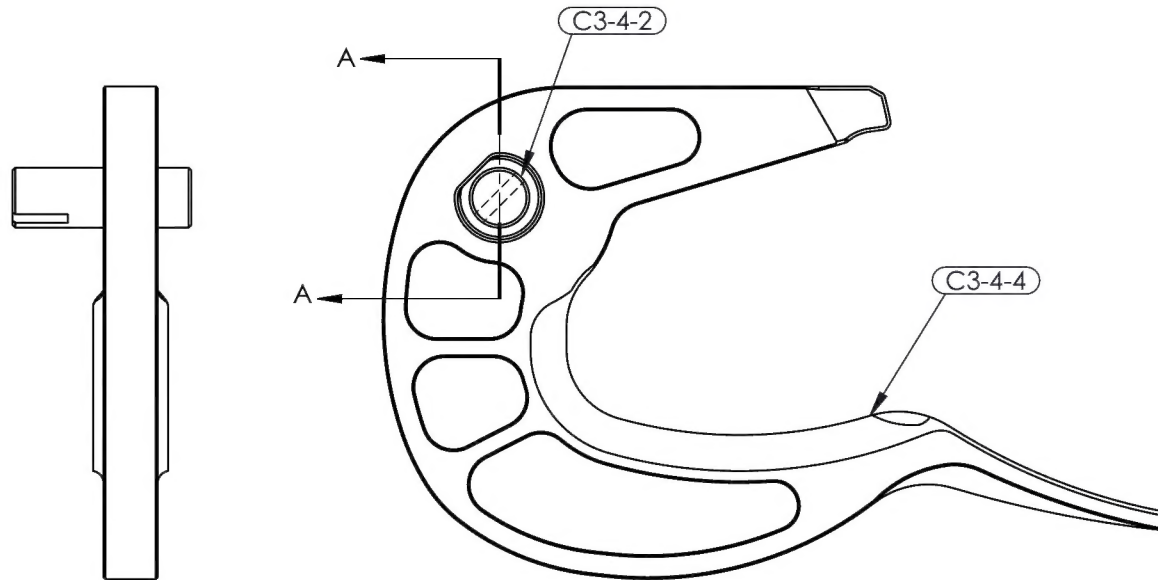


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		C3-4-4A	1	LOAD BEAM ASSEMBLY			2
	1		C3-4-4		LOAD BEAM	4140/41402		5
1	1		C3-4-2		TRUNNION	4140 Q&T / 4142 Q&T		4
X			C3-4-4KA	1	C3 KEEPERLESS LOAD BEAM ASSEMBLY			3
1			C3-4-4K		LOAD BEAM	4140/4142		6
ASSY C-3-4-4KA	ASSY C-3-4-4A							

DART AEROSPACE	
TITLE C3 LOAD BEAM ASSEMBLIES	
DWG NO. C3-4-4A / C3-4-4KA	REV 10
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>J Gilbert</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 6/2/2015
SHEET 1 OF 6	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
7		ADDED BAKE NOTE	12/9/2013	JAG	



SECTION A-A
SCALE 1 : 1

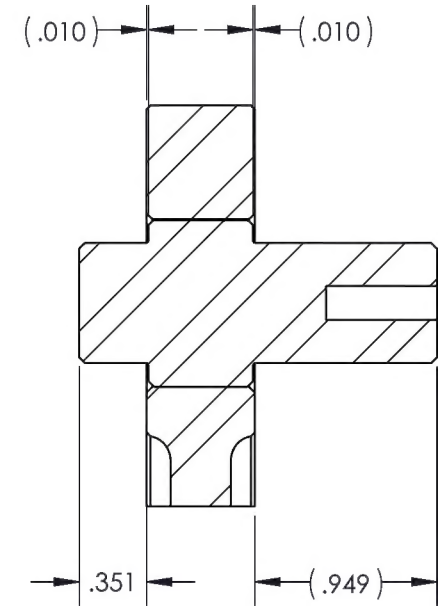
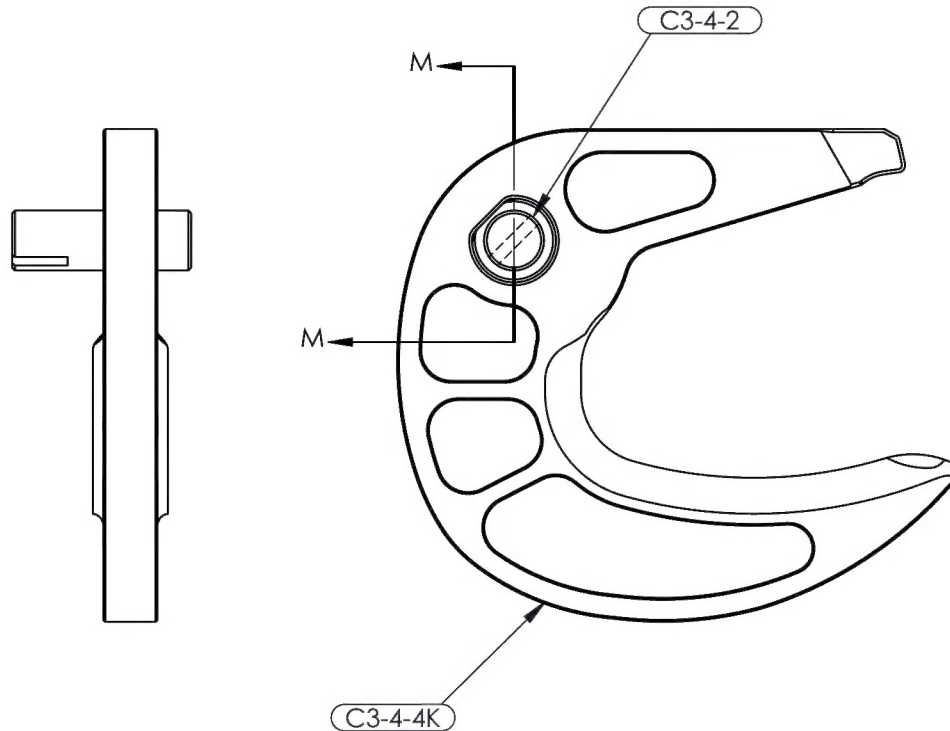
NOTE:
1. NICKEL PLATE .0009 - .0011, BAKE AFTER PLATING.

C3-4-4A
LOAD BEAM ASSEMBLY

DART AEROSPACE	
TITLE C3 LOAD BEAM ASSEMBLIES	
DWG NO. C3-4-4A / C3-4-4KA	REV 10
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: APICAL APPROVED <i>D Weil</i> HEAT TREAT FINISH SEE NOTE 1 SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 11/18/2009
SHEET 2 OF 6	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9	15-0126	C3-4-4KA ADDED TO DRAWING FOR KEEPERLESS OPTION.	6/2/2015	RJC	JAG



SECTION M-M
SCALE 1 : 1

NOTE:

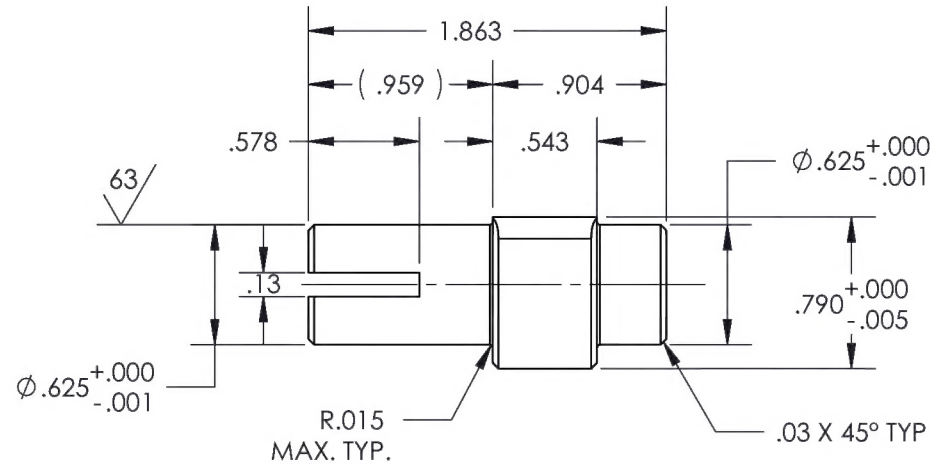
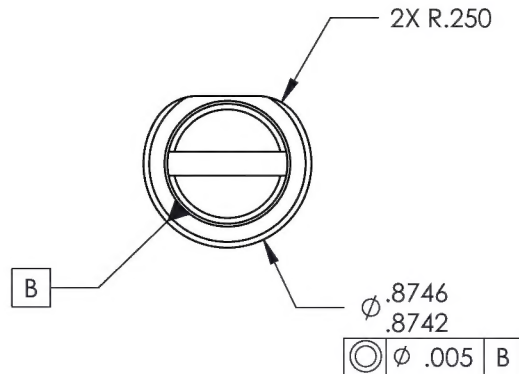
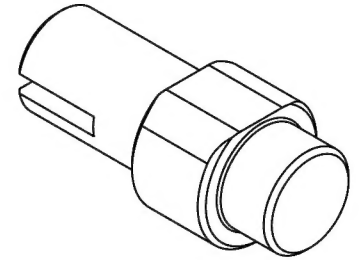
1. NICKLE PLATE .0009-.0011, BAKE AFTER PLATING.

DART AEROSPACE	
TITLE C3 LOAD BEAM ASSEMBLIES	
DWG NO. C3-4-4A / C3-4-4KA	REV 10
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED: <i>J Gilbert</i> HEAT TREAT FINISH SEE NOTE 1 SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 6/2/2015
SHEET 3 OF 6	

C3-4-4KA
C3 KEEPERLESS LOAD BEAM ASSEMBLY

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
6		CH'D DIMENSIONS FROM R.4375 +.0000 -.0005. TO ϕ .8746 - .8742. CH'D TOLERANCE FOR ϕ .790 + / - .005 TO ϕ .790 +.000 / -.005	8/8/2012	RJC	SE
8	14-0106	ADDED BAG & LABEL NOTE	8/6/2014	DJN	RW
10	15-0198	C3-4-2 CORRECTED GD&T.	8/27/2015	DPD	JAG



NOTES:

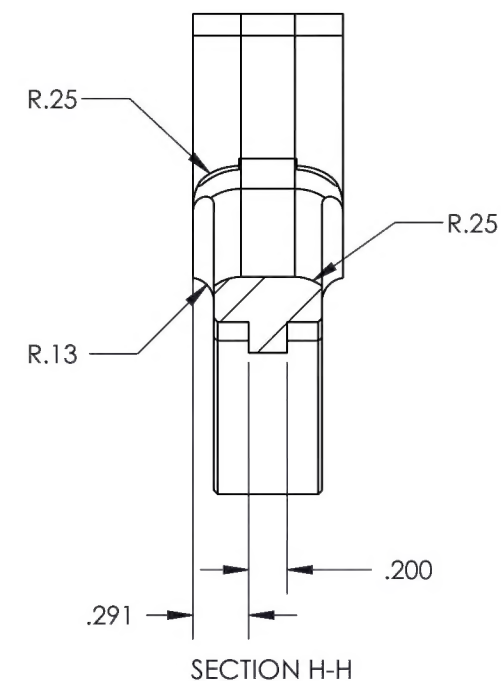
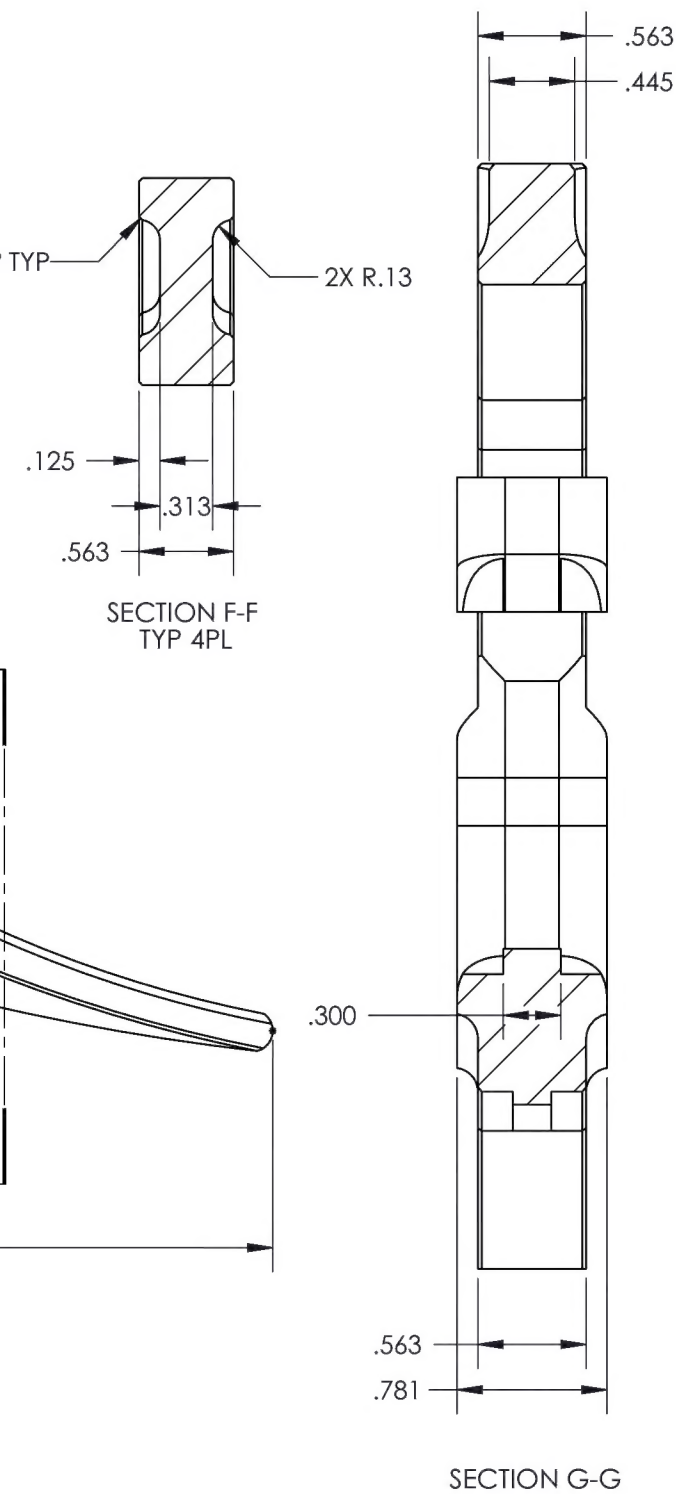
1. NICKEL PLATE AFTER PART HAS BEEN ASSEMBLED WITH LOAD BEAM C3-4-4.
2. BAG & LABEL WITH BATCH NUMBER.


C3-4-2

TRUNNION

DART AEROSPACE	
TITLE C3 LOAD BEAM ASSEMBLIES	
DWG NO. C3-4-4A / C3-4-4KA	REV 10
MAT'L 4140 Q&T / 4142 Q&T	DRAWN BY: APICAL
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 10/31/2001
SHEET 4 OF 6	

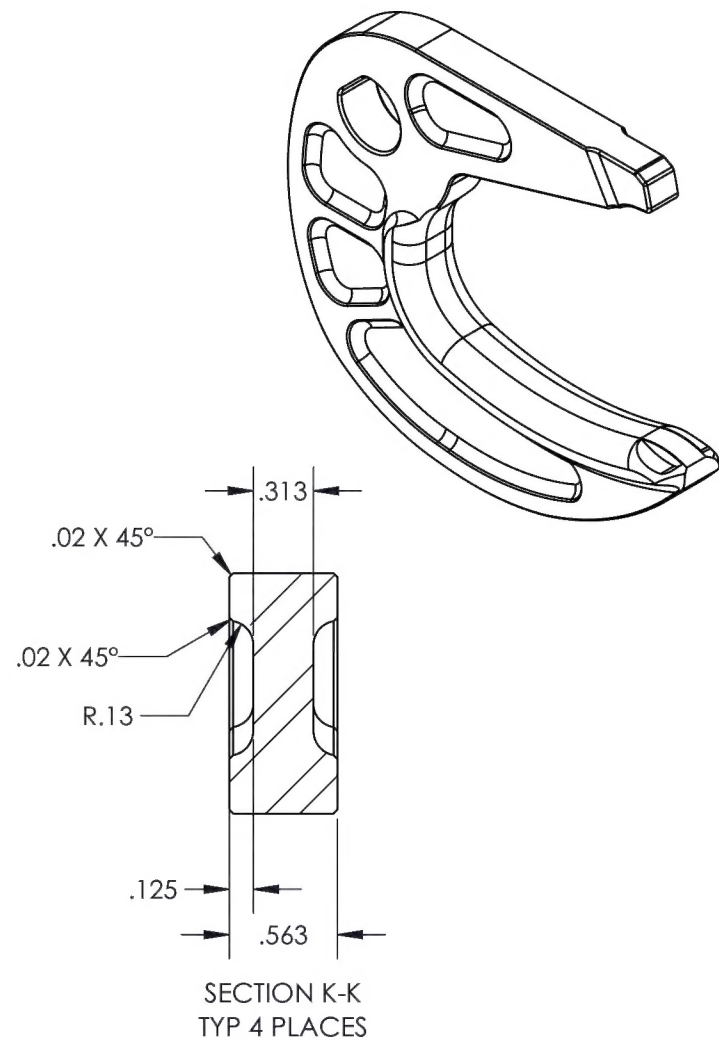
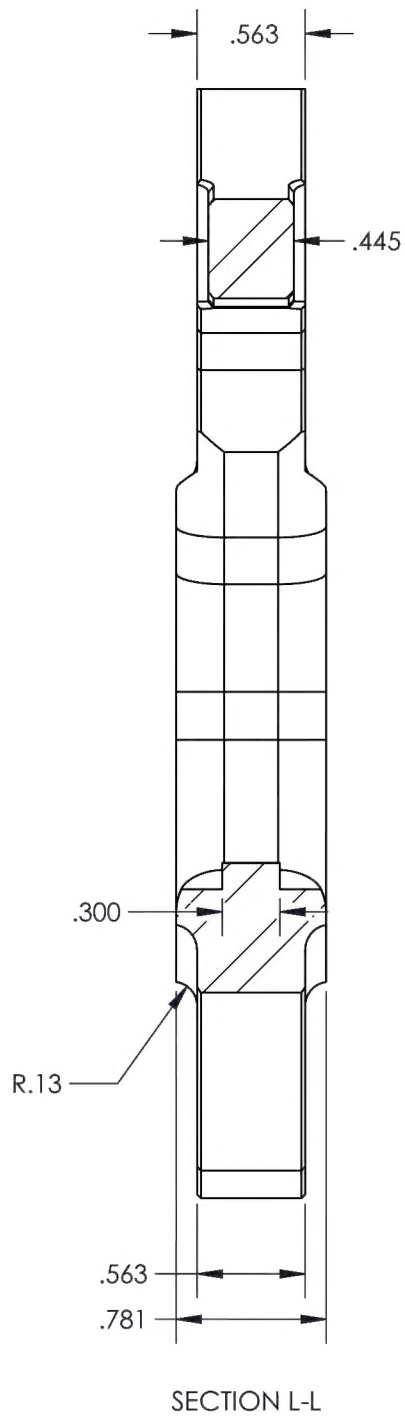
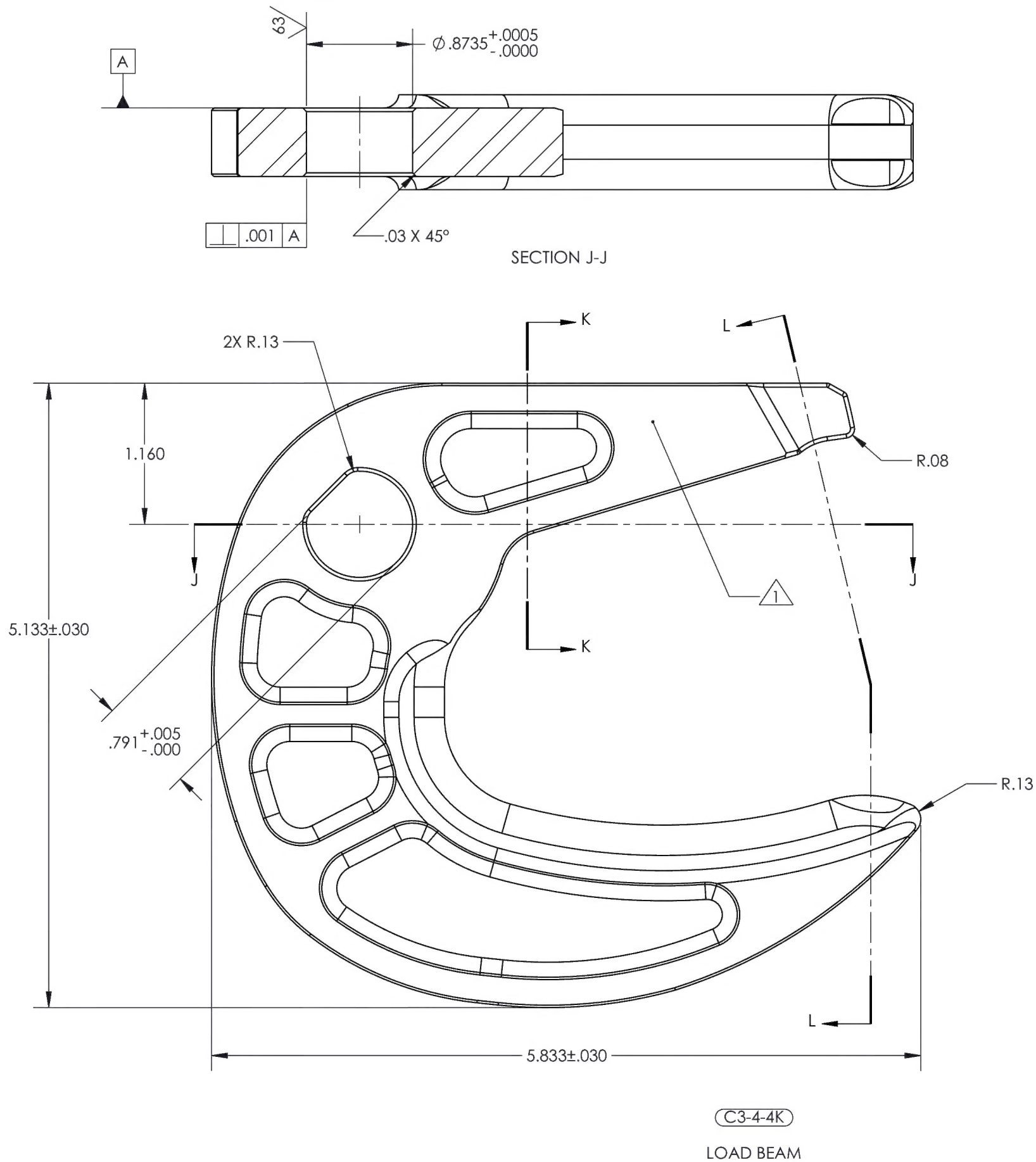
		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
6		CH'D MATERIAL FROM 4340, CH'D RADIUS FROM 2X R.095 TO 2X R.13. CH'D FILLET RADIUS AT END OF LOAD BEAM FROM .063 TO .125.	8/8/2012	RJC	SE
8	14-0106	ADDED MACHINE ENGRAVE NOTE.	8/6/2014	DJN	RW
10	15-0198	C3-4-4 CH'D DIMs WAS 8.16 IS 8.159 ±0.030, WAS 5.13 IS 5.133 ±0.030. DELETED DIM R.25.	8/27/2015	DPD	JAG



			
TITLE C3 LOAD BEAM ASSEMBLIES			
DWG NO. C3-4-4A / C3-4-4KA			REV 10
MAT'L 4140/41402		DRAWN BY: APICAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D. Weid</i>	
.XXX ± .005 FRACTIONS ± 1/8		HEAT TREAT RC 53-56	
.XX ± .01 ANGLES ± .5°		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USE ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:1	DATE 10/31/2001	SHEET 5 OF 6	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
9	15-0126	C3-4-4K ADDED TO DRAWING FOR KEEPERLESS OPTION.	6/2/2015	RJC	JAG
10	15-0198	C3-4-4K CH'D DIMS WAS 5.833 IS 5.833 ±.030, WAS 5.133 IS 5.133 ±.030. DELETED DIM R.25.	8/27/2015	DPD	JAG



- NOTES:
- MACHINE ENGRAVE BATCH NUMBER.
 - NICKEL PLATE AFTER PART HAS BEEN ASSEMBLED WITH TRUNNION C3-4-2.
 - USE DXF PROFILE FOR PART CONTOURS.

DART AEROSPACE			
TITLE C3 LOAD BEAM ASSEMBLIES			
DWG NO. C3-4-4A / C3-4-4KA			REV 10
MAT'L 4140/4142		DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED RC 53-56	
.XXX ± .005		FRACTIONS ± 1/8	
.XX ± .01		ANGLES ± 5°	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:1	DATE 6/2/2015	SHEET 6 OF 6	